

**RECORD OF PERFORMANCE QUALIFICATIONS
AVT**

INSTRUCTIONS

Record of Performance Qualifications shall be completed for enlisted personnel of the Coast Guard and Coast Guard Reserve as outlined in the Enlisted Qualifications Manual (COMDTINST M1414.8, series). As proficiency in each performance qualification is demonstrated, the DATE and INITIALS column shall be completed. Personnel are required to demonstrate proficiency in all new qualifications assigned to their rating. Qualifications previously demonstrated, dated and initialed off will not be recertified.

Prior to commencement of ADT, the member's Reserve Unit shall indicate, by circling in red, those qualifications which cannot be completed during inactive duty and should be completed on ADT.

RATING

AVIONICS TECHNICIAN (The 10-00 edition of the AVT Performance Qualifications are effective beginning the Nov 2001 SWE cycle.

ABBREVIATION

AVT

DATE COMPLETED ALL PERFORMANCE QUALIFICATIONS FOR RATE LEVEL

E-4

E-5

E-6

E-7

E-8

E-9

NAME (Last, First, Middle Initial)

SOCIAL SECURITY NUMBER

SIGNATURE OF SUPERVISOR

DATE	NAME/SIGNATURE	INITIALS	RATE	UNIT

REMARKS

RATING: AVIONICS TECHNICIAN (AVT)	INIT	DATE
<p>PERFORMANCE QUALIFICATION FOR ADVANCEMENT</p> <p>Major Duty: A. Administrative Duty</p> <p>Task:</p> <p>5.A.01c QUALIFY in assigned aircraft as a Basic Aircrewmember IAW the Coast Guard Operations Manual COMDTINST M3710.1 (series).</p> <p>5A.02c ORDER aircraft parts IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series), and local station instructions.</p> <p>5A.03c AUDIT technical publications and directives IAW the Technical Information, Management and Ordering System (TIMOS) User Process Guide, CGTO PG-85-00-50.</p> <p>5.A.04c SUBMIT aircraft publication change requests IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series); the CG-22 process guide, CGTO PG-85-00-20; and local station instructions.</p> <p>6.A.01c REVIEW discrepancy information from aircraft records and DETERMINE appropriate action IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series), and local station instructions.</p> <p>6.A.02c PROCURE parts, tools, and other materials IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series), and the Small Purchase Handbook, COMDTINST M4200.13 (series).</p> <p>6.A.03c PREPARE shop and aircrew training schedules IAW the Coast Guard Operations Manual COMDTINST M3710.1 (series), and the Training and Education Manual, COMDTINST M1550.1 (series).</p> <p>6.A.04c DIRECT personnel in the safe handling and disposal of hazardous material IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series); the Safety And Environmental Health Manual, COMDTINST M5100.47 (series); applicable Material Safety Data Sheets (MSDS); and state and local regulations.</p>		
NAME (Last, First, Middle Initial)	SOCIAL SECURITY NO.	

RATING: AVIONICS TECHNICIAN (AVT)		INIT	DATE
6.A.05c	ANALYZE Aviation Computerized Maintenance System (ACMS) component history data to identify trends and problem areas IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series).		
6.A.06c	ORDER technical publications, directives, and manuals applicable to rating IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series); the Directives, Publications, and Reports Index, COMDTNOTE 5600; the Technical Information, Management and Ordering System (TIMOS) User Process Guide, CGTO PG-85-00-50.		
6.A.01	MAINTAIN shop Electronic Inventory Records (EIR) IAW the Unit Accountable Item Management (AIM) User Manual.		
7.A.01c	ESTABLISH local safety procedures and standards for unit Aviation Engineering Department IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series), and the Safety And Environmental Health Manual, COMDTINST M5100.47 (series).		
7.A.02c	MANAGE rate related Aviation Computerized Maintenance IAW the ACMS User's Guide, CGTO PG 85-00-10, and the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series).		
7.A.03c	PREPARE aircraft reports IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series).		
7.A.04c	REVIEW completed maintenance forms for compliance with the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series).		
7.A.05c	DESCRIBE the procedures for preparing a Unit Training Plan IAW the Training and Educational Manual, COMDTINST M1500.1 (series), and the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series).		
7.A.06c	MANAGE shop inventory processes IAW applicable publications.		
NAME (Last, First, Middle Initial)		SOCIAL SECURITY NO.	

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7.A.07c	PROCESS aircraft for receipt and transfer IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series), and the Coast Guard Air Operations Manual, COMDTINST M3710.1 (series).		
7.A.01	MANAGE the unit's Avionics Tracking System (ATS) IAW the ATS Operators Manual and the ACMS User's Guide, CGTO PG 85-00-10.		
8.A.01c	REVIEW applicable rating qualification codes and SUBMIT written recommendations to the AVT Force Manager (G-SRF) IAW the Coast Guard Qualifications Manual, COMDTINST M1414.9 (series).		
8.A.02c	REVIEW unit aircrew flight requirements IAW the Coast Guard Air Operations Manual, COMDTINST M3710.1 (series), and the Coast Guard Pay Manual, COMDTINST M7220.29 (series).		
8.A.03c	REVIEW unit personnel qualification codes and UPDATE the Personnel Management Information System (PMIS) database IAW the Coast Guard Qualifications Manual, COMDTINST M1414.9 (series).		
8.A.04c	MANAGE unit Aviation Engineering personnel duty assignments IAW station instructions and standing orders.		
8.A.05c	MANAGE unit Aviation Enlisted Assignment Process IAW the Personnel Manual, COMDTINST M1000.6 (series).		
8.A.06c	PREPARE budget requests IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series); the Manual of Budgetary Administration, COMDTINST M7100.3 (series); and station instructions.		
8.A.07c	REVIEW unit Personnel Allowance List (PAL) to ensure it reflects unit staffing needs IAW the Enlisted Qualification Codes Manual, COMDTINST M1414.9 (series), and the Coast Guard Staffing Standards Manual, COMDTINST M5312.11 (series).		
9.A.01c	REVIEW rate-related Performance Qualifications (PQs) and SUBMIT written recommendations to the AVT Force Manager (G-SRF) IAW the Enlisted Qualifications Manual, COMDTINST M1414.8 (series).		
NAME (Last, First, Middle Initial)		SOCIAL SECURITY NO.	

RATING: AVIONICS TECHNICIAN (AVT)		INIT	DATE
Major Duty: B. Aircraft Maintenance Task: 4.B.01 REPAIR damaged and broken aircraft electrical cables, wires and connectors IAW the Aircraft Wiring Manual, T.O. 1-1A-14, and the Aircraft Electric and Electronic Wiring Manual, NAVAIR 01-1A-505 (series). 4.B.02 ANALYZE AC power systems to the LRU/wire level IAW applicable publications. 4.B.03 ANALYZE DC power systems to the LRU/wire level IAW applicable publications. 4.B.04 ANALYZE aircraft lighting systems to the LRU/wire level IAW applicable publications. 4.B.05 ANALYZE the following communications systems to the LRU/wire level IAW applicable publications: 1. ICS 2. VHF-AM 3. VHF-FM 4. UHF 5. HF 4.B.06 ANALYZE the following navigation systems to the LRU/wire level IAW applicable publications: 1. VOR/ILS 2. TACAN 3. IFF 4. DF 5. ADF 6. GPS 7. Compass 4.B.07 ANALYZE Radar systems to the LRU/wire level IAW applicable publications. 4.B.08 ANALYZE Radio/Radar Altimeter (RADALT) systems to the LRU/wire level IAW applicable publications.			
NAME (Last, First, Middle Initial)		SOCIAL SECURITY NO.	

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4.B.09	ANALYZE Air Data Systems (ADS) to the LRU/wire level IAW applicable publications.		
4.B.10	ANALYZE Automatic Flight Systems to the LRU/wire level IAW applicable publications.		
4.B.11	ANALYZE Flight Director Systems (FDS) to the LRU/wire level IAW applicable publications.		
4.B.12	UTILIZE test equipment to ISOLATE faults in basic aircraft electrical and electronic circuits IAW applicable publications.		
4.B.13	SAFETY WIRE and SHEARWIRE aircraft equipment IAW the Aircraft Electric and Electronic Wiring Manual, NAVAIR 01-1A-505 (series), and the Aircraft and Missile Structural Hardware Manual, NAVAIR 01-1A-8.		
4.B.14	REMOVE corrosion from aircraft electrical and electronic equipment IAW the Avionics Cleaning and Corrosion Control Manual, NAVAIR 16-1-540 and applicable publications.		
5.B.01c	COMPLETE special inspections of aircraft and aviation equipment IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series), and the Aviation Computerized Maintenance System (ACMS).		
5.B.02c	COMPLETE authorized modifications of aircraft and aviation equipment IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series), and the Aviation Computerized Maintenance System (ACMS).		
5.B.01	TROUBLESHOOT AC distribution systems to the LRU/wire level IAW applicable publications.		
5.B.02	TROUBLESHOOT DC power systems to the LRU/wire level IAW applicable publications.		
5.B.03	TROUBLESHOOT aircraft lighting systems to the LRU/wire level IAW applicable publications.		
NAME (Last, First, Middle Initial)		SOCIAL SECURITY NO.	

		INIT	DATE
5.B.04	TROUBLESHOOT the following communications systems to the LRU/wire level IAW applicable publications: 1. ICS 2. VHF-AM 3. VHF-FM 4. UHF 5. HF		
5.B.05	TROUBLESHOOT the Secure Communications Systems to the LRU/wire level IAW applicable publications.		
5.B.06	TROUBLESHOOT the following navigation systems to the LRU/wire level IAW applicable publications: 1. VOR/ILS 2. TACAN 3. IFF 4. DF 5. ADF 6. GPS 7. Compass		
5.B.07	TROUBLESHOOT Radar systems to the LRU/wire level IAW applicable publications.		
5.B.08	TROUBLESHOOT the Radio/Radar Altimeter (RADALT) system to the LRU/wire level IAW applicable publications.		
5.B.09	TROUBLESHOOT the Traffic Alert and Collision Avoidance System (TCAS) to the LRU/wire level IAW applicable publications.		
5.B.10	TROUBLESHOOT the Air Data Systems (ADS) to the LRU/wire level IAW applicable publications.		
5.B.11	TROUBLESHOOT the Automatic Flight System to the LRU/wire level IAW applicable publications.		
5.B.12	TROUBLESHOOT the Flight Director System (FDS) to the LRU/wire level IAW applicable publications.		
6.B.01c	DIRECT line crew operations IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series); the Aviation Computerized Maintenance System (ACMS); and local station instructions.		
NAME (Last, First, Middle Initial)		SOCIAL SECURITY NO.	

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6.B.02c	DIRECT the repair of aircraft systems IAW the Aviation Computerized Maintenance System (ACMS); the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series); and applicable aircraft publications.		
6.B.01	SUPERVISE functional checks of aircraft systems IAW the Aviation Computerized Maintenance System (ACMS); the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series); and applicable publications.		
6.B.02	SWING and ADJUST aircraft compass systems IAW the applicable Aviation Computerized Maintenance System (ACMS) Maintenance Procedure Card (MPC), and applicable aircraft publications.		
Major Duty: C. General Aviation			
Task:			
7.C.01c	REVIEW the unit aircraft salvage plan IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series); the Shipboard-Helicopter Operational Procedures Manual, COMDTINST M3710.2 (series); applicable aircraft manuals; and local station instructions.		
7.C.02c	DIRECT Quality Assurance Inspections IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series), and local station instructions.		
7.C.03c	PREPARE the following types of local maintenance instructions IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series): <ul style="list-style-type: none"> 1. Continuing Action Maintenance Instruction (CAMI) 2. Single Action Maintenance Instruction (SAMI) 3. Technical Information Maintenance Instruction (TIMI) 		
Major Duty: D. Shop Maintenance			
Task:			
4.D.01	SERVICE aircraft batteries IAW the Nickel Cadmium Battery Storage Manual, T.O. 8D2-3-1 and applicable publications.		
NAME (Last, First, Middle Initial)		SOCIAL SECURITY NO.	

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5.D.01c	INSTRUCT personnel in shop safety procedures IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series); the Safety and Environmental Health Manual, COMDTINST M5100.47 (series); and other applicable publications.		
5.D.01	<p>COMPLETE minimum performance checks on the following systems/components IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series), and Component Maintenance Manuals (CMM'S):</p> <ol style="list-style-type: none"> 1. VOR/ILS 2. TACAN receiver/transmitter 3. Radar system 4. RADALT system 5. IFF transponder 6. DF unit 7. ADF receiver 8. GPS receiver 9. VHF AM transceiver 10. VHF FM transceiver 11. UHF transceiver 12. HF receiver/exciter 13. ICS system 		
6.D.01c	DIRECT shop maintenance IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series).		
6.D.02c	INSTRUCT personnel in the proper disposition of defective aircraft components IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series).		
6.D.03c	INSPECT work areas, tools and aviation equipment for safety compliance IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series), and The Safety and Environmental Health Manual, COMDTINST. M5100.47 (series).		
6.D.04c	COORDINATE calibration and repair of special tools and measuring equipment IAW the Aeronautical Engineering Maintenance Management Manual, COMDTINST M13020.1 (series), and local station instruction.		
NAME (Last, First, Middle Initial)		SOCIAL SECURITY NO.	

RATING: AVIONICS TECHNICIAN (AVT)

TERMINOLOGY

ANALYZE: To separate into fundamental parts or basic principles so as to determine the nature of the whole.

APPLICABLE PUBLICATIONS: The appropriate aircraft system, component or general aviation instruction.

AUDIT: Official examination and verification of publications and directives.

LRU: Line Replaceable Unit: an item designed to be removed and replaced on the aircraft.

REVIEW: To examine for the purpose of correcting possible errors.

SAFETY WIRE: The process of applying lockwire to prevent accidental loosening.

SERVICE: To provide minor maintenance, i.e. supplying with water, fuel, oil, air.

SHEARWIRE: The process of applying shearwire to prevent accidental actuation.

TROUBLESHOOT: The process of diagnosing, locating and repairing faults in equipment by means of systematic checking or analysis.

END

NAME *(Last, First, Middle Initial)*

SOCIAL SECURITY NO.

